**FIG. 1**

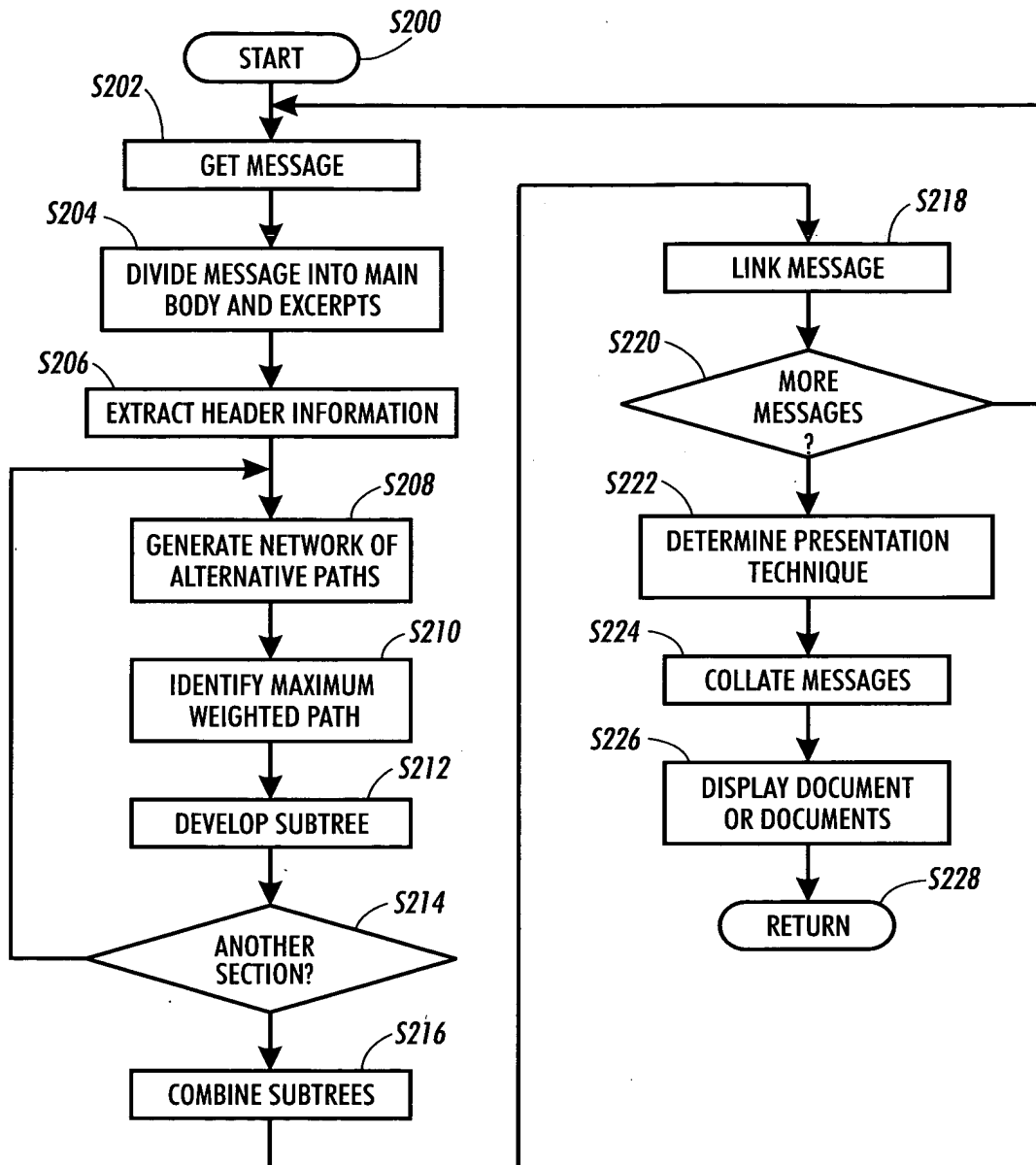


FIG. 2

From: Pavel Velikho <pvelikho@cs.ucsd.edu>
 Newsgroups: comp.lang.python
 Subject: need some fast balanced-tree datastructure
 Date: Mon, 21 Jun 1999 17:06:10 PDT

Hi,
 I am looking for a fast implementation of incremental container that maintains an ordering on the keys... (i.e. I want an AVL, Red-Black, or anything similar). I have tried the b+tree in Python but its not fast enough. Is there anything like that available as a C extension module?

Thank you
 Pavel Velikho
 pvelikho@cs.ucsd.edu

<http://www.python.org/mailman/listinfo/python-list>

Date: Mon 21 Jun 1999 21:04:32 PDT
 From: David Ascher <da@ski.org>
 To: Pavel Velikho <pvelikho@cs.ucsd.edu>
 cc: python-list@python.org
 Subject: Re: need some fast balanced-tree datastructure

On Mon, 21 Jun 1999, Pavel Velikho wrote:
 > I am looking for a fast implementation of incremental container that maintains an ordering on the keys...
 > (i.e. I want an AVL, Red-Black, or anything similar). I have tried the b+tree in Python but its not fast enough. Is > there anything like that available as a C extension module?
 > I've used Sam Rushing's AVL module with great success. It is available at:

<ftp://squirrel.nightmarc.com/pub/python/python-ext/avl/>

Cheers,

—david ascher

<http://www.python.org/mailman/listinfo/python-list>

Subject: Re: need some fast balanced-tree datastructure
 References: <376ED372.FA73994F@cs.ucsd.edu>
 From: Klaus Schilling <Klaus.Schilling@home.lvm.de>
 Date: Tue, 22 Jun 1999 01:05:12 PDT

Pavel Velikho <pvelikho@cs.ucsd.edu> writes:

>Hi,
 > I am looking for a fast implementation of incremental container that maintains an ordering on the keys...
 > (i.e. I want an AVL, Red-Black, or anything similar). I have tried the b+tree in Python but its not fast enough. Is > there anything like that available as a C extension module?

There is an avlree implementation in C by Ben Pfaff on the gnu ftp site <ftp.gnu.org/pub/gnu>. Maybe this can be swigged to python.

Klaus Schilling

<http://www.python.org/mailman/listinfo/python-list>

FIG. 3

842. Pavel Velikho

06/21/99 17:06

Hi,

I am looking for a fast implementation of incremental container that maintains an ordering on the keys... (i.e. I want an AVL, Red-Black, or anything similar).

I have tried the b+tree in Python but is not fast enough. Is there anything like that available as a C extension module?

Thank you.

849.

David Ascher 06/21/99 21:04

[Velikho: I am looking for a fast implementation of incremental container that maintains an ordering on the keys... (i.e. ...)]

I've used Sam Rushing's AVL module with great success. It is available at: <ftp://squirrel.nightmare.com/pub/python/python-ext/avl/>

Cheers.

896.

Klaus Schilling 06/22/99 01:05

[Velikho: I am looking for a fast implementation of incremental container that ...]

There is an avltree implementation in C by Ben Pfaff on the gnu ftp site <ftp.gnu.org/pub/gnu>. Maybe this can be swigged to python.

FIG. 4

842. Pavel Velikho

/99 17:06

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I am looking for a fast implementation of incremental container that maintains an ordering on the keys... (i.e. I want an AVL, Red-Black, or anything similar). I have tried the b+tree in Python but its not fast enough. Is there anything like that available as a C extension module?

[Link to response from David Ascher 06/21/99 21:04](#)

[Link to response from Klaus Schilling 06/22/99 01:05](#)

Thank you

FIG. 5

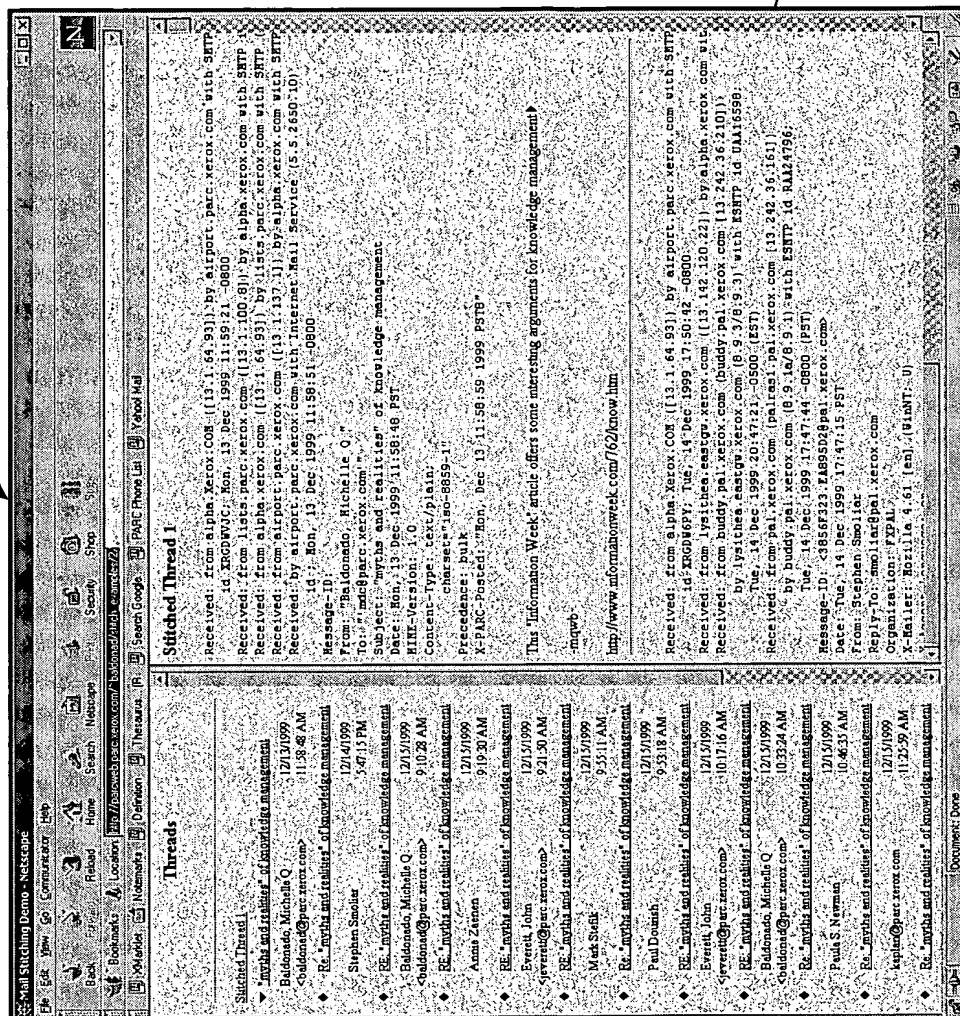


FIG. 6

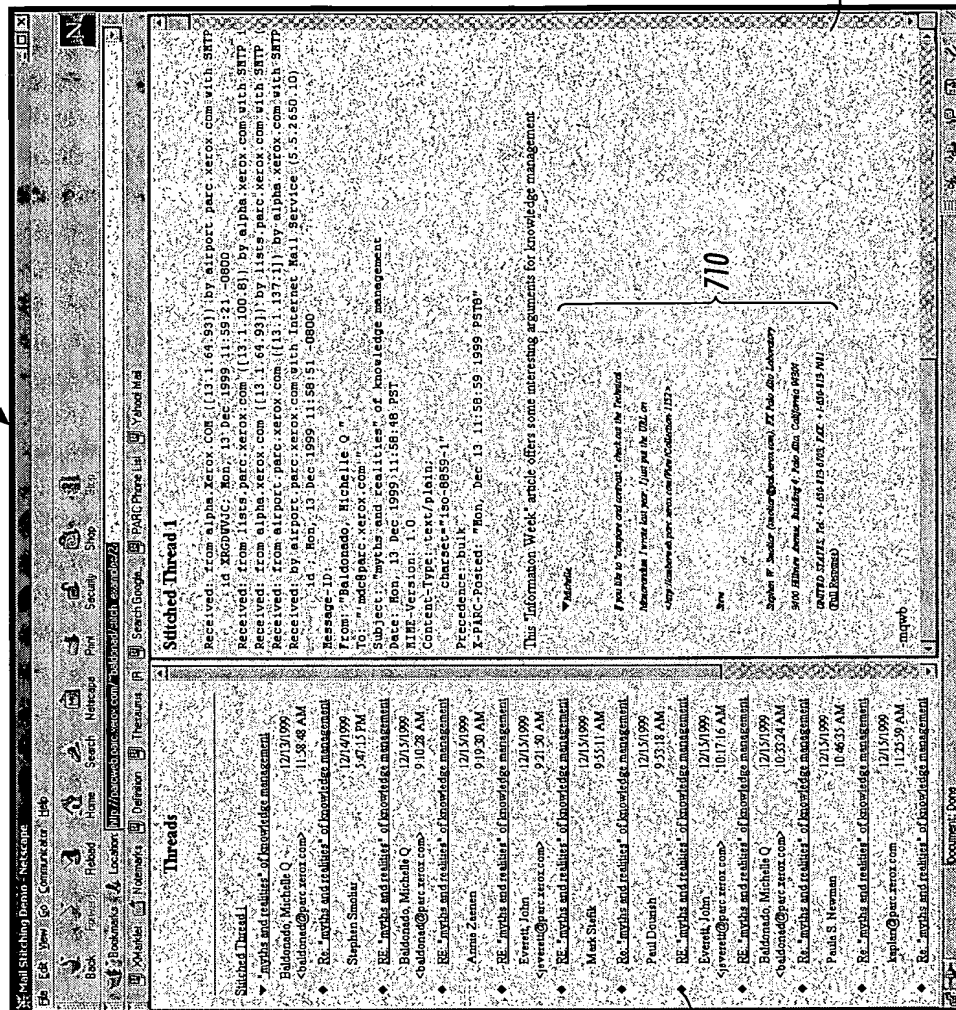


FIG. 7